

# BC-5D

## HEMATOLOGY CONTROLS

**CONTROL****LOT BC2309B****2023-11-10**

## ASSAY VALUES AND EXPECTED RANGES

Instrument Parameter	Low <b>LOT BC2309BL</b>		Normal <b>LOT BC2309BN</b>		High <b>LOT BC2309BH</b>	
	The U.S. Units	The International Units	The U.S. Units	The International Units	The U.S. Units	The International Units
<b>BC-5390</b> WBC	<b>3.00 ± 0.50</b> × 10 <sup>3</sup> /μL	<b>3.00 ± 0.50</b> × 10 <sup>9</sup> /L	<b>8.00 ± 1.00</b> × 10 <sup>3</sup> /μL	<b>8.00 ± 1.00</b> × 10 <sup>9</sup> /L	<b>17.15 ± 2.50</b> × 10 <sup>3</sup> /μL	<b>17.15 ± 2.50</b> × 10 <sup>9</sup> /L
<b>QC Mode</b> Neu#	<b>1.55 ± 0.27</b> × 10 <sup>3</sup> /μL	<b>1.55 ± 0.27</b> × 10 <sup>9</sup> /L	<b>4.52 ± 0.72</b> × 10 <sup>3</sup> /μL	<b>4.52 ± 0.72</b> × 10 <sup>9</sup> /μL	<b>11.66 ± 1.55</b> × 10 <sup>3</sup> /μL	<b>11.66 ± 1.55</b> × 10 <sup>9</sup> /μL
Lym#	<b>1.11 ± 0.27</b> × 10 <sup>3</sup> /μL	<b>1.11 ± 0.27</b> × 10 <sup>9</sup> /L	<b>2.36 ± 0.72</b> × 10 <sup>3</sup> /μL	<b>2.36 ± 0.72</b> × 10 <sup>9</sup> /μL	<b>3.00 ± 1.38</b> × 10 <sup>3</sup> /μL	<b>3.00 ± 1.38</b> × 10 <sup>9</sup> /μL
Mon#	<b>0.20 ± 0.16</b> × 10 <sup>3</sup> /μL	<b>0.20 ± 0.16</b> × 10 <sup>9</sup> /L	<b>0.48 ± 0.40</b> × 10 <sup>3</sup> /μL	<b>0.48 ± 0.40</b> × 10 <sup>9</sup> /μL	<b>0.86 ± 0.69</b> × 10 <sup>3</sup> /μL	<b>0.86 ± 0.69</b> × 10 <sup>9</sup> /μL
Eos#	<b>0.15 ± 0.12</b> × 10 <sup>3</sup> /μL	<b>0.15 ± 0.12</b> × 10 <sup>9</sup> /L	<b>0.64 ± 0.48</b> × 10 <sup>3</sup> /μL	<b>0.64 ± 0.48</b> × 10 <sup>9</sup> /μL	<b>1.63 ± 1.38</b> × 10 <sup>3</sup> /μL	<b>1.63 ± 1.38</b> × 10 <sup>9</sup> /μL
Bas#	<b>0.72 ± 0.30</b> × 10 <sup>3</sup> /μL	<b>0.72 ± 0.30</b> × 10 <sup>9</sup> /L	<b>2.12 ± 0.80</b> × 10 <sup>3</sup> /μL	<b>2.12 ± 0.80</b> × 10 <sup>9</sup> /μL	<b>5.32 ± 1.72</b> × 10 <sup>3</sup> /μL	<b>5.32 ± 1.72</b> × 10 <sup>9</sup> /μL
Neu%	<b>51.5 ± 9.0</b> %	<b>51.5 ± 9.0</b> %	<b>56.5 ± 9.0</b> %	<b>56.5 ± 9.0</b> %	<b>68.0 ± 9.0</b> %	<b>68.0 ± 9.0</b> %
Lym%	<b>37.0 ± 9.0</b> %	<b>37.0 ± 9.0</b> %	<b>29.5 ± 9.0</b> %	<b>29.5 ± 9.0</b> %	<b>17.5 ± 8.0</b> %	<b>17.5 ± 8.0</b> %
Mon%	<b>6.5 ± 5.0</b> %	<b>6.5 ± 5.0</b> %	<b>6.0 ± 5.0</b> %	<b>6.0 ± 5.0</b> %	<b>5.0 ± 4.0</b> %	<b>5.0 ± 4.0</b> %
Eos%	<b>5.0 ± 4.0</b> %	<b>5.0 ± 4.0</b> %	<b>8.0 ± 6.0</b> %	<b>8.0 ± 6.0</b> %	<b>9.5 ± 8.0</b> %	<b>9.5 ± 8.0</b> %
Bas%	<b>24.0 ± 10.0</b> %	<b>24.0 ± 10.0</b> %	<b>26.5 ± 10.0</b> %	<b>26.5 ± 10.0</b> %	<b>31.0 ± 10.0</b> %	<b>31.0 ± 10.0</b> %
RBC	<b>2.06 ± 0.18</b> × 10 <sup>6</sup> /μL	<b>2.06 ± 0.18</b> × 10 <sup>12</sup> /L	<b>3.99 ± 0.24</b> × 10 <sup>6</sup> /μL	<b>3.99 ± 0.24</b> × 10 <sup>12</sup> /L	<b>4.91 ± 0.30</b> × 10 <sup>6</sup> /μL	<b>4.91 ± 0.30</b> × 10 <sup>12</sup> /L
HGB	<b>5.3 ± 0.4</b> g/dL	<b>53 ± 4</b> g/L	<b>11.7 ± 0.6</b> g/dL	<b>117 ± 6</b> g/L	<b>15.6 ± 0.8</b> g/dL	<b>156 ± 8</b> g/L
HCT	<b>16.9 ± 1.5</b> %	<b>16.9 ± 1.5</b> %	<b>36.9 ± 2.0</b> %	<b>36.9 ± 2.0</b> %	<b>49.8 ± 2.4</b> %	<b>49.8 ± 2.4</b> %
MCV	<b>82.0 ± 5.0</b> fL	<b>82.0 ± 5.0</b> fL	<b>92.5 ± 5.0</b> fL	<b>92.5 ± 5.0</b> fL	<b>101.5 ± 5.0</b> fL	<b>101.5 ± 5.0</b> fL
MCH	<b>25.7 ± 2.5</b> pg	<b>25.7 ± 2.5</b> pg	<b>29.3 ± 2.5</b> pg	<b>29.3 ± 2.5</b> pg	<b>31.8 ± 2.5</b> pg	<b>31.8 ± 2.5</b> pg
MCHC	<b>31.4 ± 3.0</b> g/dL	<b>314 ± 30</b> g/L	<b>31.7 ± 3.0</b> g/dL	<b>317 ± 30</b> g/L	<b>31.3 ± 3.0</b> g/dL	<b>313 ± 30</b> g/L
RDW-CV	<b>15.0 ± 3.0</b> %	<b>15.0 ± 3.0</b> %	<b>13.5 ± 3.0</b> %	<b>13.5 ± 3.0</b> %	<b>13.5 ± 3.0</b> %	<b>13.5 ± 3.0</b> %
RDW-SD	<b>48.0 ± 8.0</b> fL	<b>48.0 ± 8.0</b> fL	<b>48.0 ± 8.0</b> fL	<b>48.0 ± 8.0</b> fL	<b>51.5 ± 8.0</b> fL	<b>51.5 ± 8.0</b> fL
PLT	<b>54 ± 20</b> × 10 <sup>3</sup> /μL	<b>54 ± 20</b> × 10 <sup>9</sup> /L	<b>251 ± 40</b> × 10 <sup>3</sup> /μL	<b>251 ± 40</b> × 10 <sup>9</sup> /L	<b>500 ± 60</b> × 10 <sup>3</sup> /μL	<b>500 ± 60</b> × 10 <sup>9</sup> /L
MPV	<b>12.4 ± 3.0</b> fL	<b>12.4 ± 3.0</b> fL	<b>12.4 ± 3.0</b> fL	<b>12.4 ± 3.0</b> fL	<b>12.9 ± 3.0</b> fL	<b>12.9 ± 3.0</b> fL

Before using, refer to the instruction sheet for mixing directions.

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